

Tools

All Databases

EMBOSS Align Results

Enter Text Here

Industry

EBI Groups

Training

About Us

Help

Walneke Si 🖨

Help General Help Formats Gaps Matrix References EMBOSS-Align Help

```
Water Results
Matrix
                                       Blosum62
Open gap penalty
                                       10.0
Gap extension penalty
                                      0.5
Water output
                                       water-20090211-19444737379758.output
     SUBMIT ANOTHER JOB
```

```
# Program: water
# Rundate: Wed Feb 11 19:44:49 2009
# Align_format: srspair
# Report_file: /ebi/extserv/old-work/water-20090211-19444737379758.output
#-----
# Aligned_sequences: 2
# 1: EMBOSS_001
# 2: EMBOSS 001
# Matrix: EBLOSUM62
# Gap_penalty: 10.0
# Extend_penalty: 0.5
# Length: 138
# Identity:
             26/138 (18.8%)
# Similarity:
             50/138 (36.2%)
# Gaps:
             27/138 (19.6%)
# Score: 42.0
EMBOSS_001
              90 STVKIPFRCRCNGDVGQSDRL-----PIYVVQPQDGLDAIARNVFNAF
                                                             132
                 1:::::...
                                       -: | - - - : | - - - | - - : | - - - -
EMBOSS_001
              257 SSTQVEVASLCAGQESQASELKQLSADQTLYAFYDK-GSQIIEDSVKPVS
                                                             305
EMBOSS_001
              133 VTYQEIAAANN-----IPDPNKINVSQTLWIPLPCSCDKEEGSNVMHL
                                                             175
                 ::...|.:.||
                               1.1...:
              306 ISDVAITSTNNHTVAHGEIIDDQSMDADE-----KKVARKSLTRI
EMBOSS_001
                                                             345
EMBOSS_001
             176 AYSVGKGENTSAIAAKYGVTESTLLTRNKIDDPTK\mathsf{LQM}
                                                   213
                 ..|||..||.:..|..::|.|.|.|..|| :|..::|:
EMBOSS_001
              346 RTSVGASEESQLIGREKEISEITHLILN--NDSQQVQV
                                                   381
 ______
  -----
```



Help General Help Formats

Gaps Matrix

References

EMBOSS-Align Help

All Databases



Enter Text Here

EBI Groups

Training

Industry

About Us

Help

Stainde 🚮 🖨

EMBOSS Align Results

osum62
0.0
5
ater-20090211-19470451719976.output
5

Program: water # Rundate: Wed Feb 11 19:47:05 2009

Align_format: srspair

Report_file: /ebi/extserv/old-work/water-20090211-19470451719976.output

#-----

```
# Aligned_sequences: 2
# 1: EMBOSS_001
# 2: EMBOSS_001
# Matrix: EBLOSUM62
# Gap_penalty: 10.0
# Extend_penalty: 0.5
# Length: 138
                 26/138 (18.8%)
# Identity:
# Similarity:
                 50/138 (36.2%)
# Gaps:
                 27/138 (19.6%)
# Score: 42.0
```

#		
#		
EMBOSS_001	62 STVKIPFRCRCNGDVGQSDRLPIYVVQPQDGLDAIARNVFNAF	104
EMBOSS_001		305
EMBOSS_001	105 VTYQEIAAANNIPDPNKINVSQTLWIPLPCSCDKEEGSNVMHL :: .:. . :: . :.:	147
EMBOSS_001	306 ISDVAITSTNNHTVAHGEIIDDQSMDADEKKVARKSLTRI	345
EMBOSS_001	148 AYSVGKGENTSAIAAKYGVTESTLLTRNKIDDPTKLQM 185 .:. :	
EMBOSS_001	346 RTSVGASEESQLIGREKEISEITHLILNNDSQQVQV 381	
"		
#		



EMBOSS-Align Help

Help General Help Formats Gaps Matrix References

All Databases

Enter Text Here

Industry



EMBOSS Align Results

EBI Groups Training

Water Results

About Us

Help

Matrix Open gap penalty

Gap extension penalty 0.5

Water output water-20090211-19531104533996.output

DNAfull

10.0

SUBMIT ANOTHER JOB

```
# Program: water
# Rundate: Wed Feb 11 19:53:11 2009
# Align format: srspair
# Report_file: /ebi/extserv/old-work/water-20090211-19531104533996.output
# Aligned sequences: 2
# 1: EMBOSS_001
# 2: EMBOSS 001
# Matrix: EDNAFULL
# Gap_penalty: 10.0
# Extend_penalty: 0.5
# Length: 1999
           724/1999 (36.2%)
# Identity:
# Similarity: 724/1999 (36.2%)
# Gaps:
           1073/1999 (53.7%)
# Score: 926.5
EMBOSS_001
               1 atggcgtcgctcaccgccgcc-----ct----ggcca
                                                            28
                EMBOSS_001
             173\ {\tt atgatgttgaggacagcctccaggatttcgctgttcatcttaagaggcca}
                                                            222
EMBOSS_001
              29 cgccggcggccgctgccctcctcctcgt--cctcctcg-ccgccccc
                                                            75
                 EMBOSS_001
             223 tcctggtggcgatt-----tcctcgtacgctgctcgagcggcacc
                                                            262
              76 gcctccgccgcaacttcacctgcgc-ggtg----gcttcaggcacca-
EMBOSS_001
                                                            118
EMBOSS_001
             263 g---tgtggccaa-----gcagatgaaggagctt-aggaacaag
                                                            297
EMBOSS_001
             119 --cctgcaagtccgcca-----
                                           ----tcctctacacctc
                                                            146
                  1.....
                                              11.11.1...
EMBOSS_001
             {\tt 298 \ gtcgaggatgtcagccagaggaatgtgcggtaccacctcatcaagggctc}
                                                            347
EMBOSS_001
             147 ccccaacgccacca-----cctac--ggcaacctcgtcgcccgctt---
                                                            185
                annimm — na imara i na
EMBOSS_001
             348 tgccaaggccaccatcaattcc-actgagcaatctag----cg-ttatt
                                                           390
EMBOSS_001
             186 -caaca-ccaccacctcccgacctcctcggc-----gccaacgg
                                                            224
                 1.111 111
                                   1...
EMBOSS_001
             391 gctacagcca-----tattcggcattgacgatgc--aagg
                                                            423
             225 cctccccgacggcacg------ctt-tcc-----
EMBOSS_001
                                                           246
                1.1.11..1..11.1
                                          111 111
EMBOSS_001
             424 cgtgccgcaaagcaggacaatcagagagtggatcttgtccaactaatcaa
                                                           473
EMBOSS_001
             247 -----tccgccc-----cgtcgc------
                                                           260
                       Title Title
```

EMBOSS_001	474	cagtgaggatcaggacctaaaagtgatcgcggtctggggaacaagtggtg	523
EMBOSS_001	261	cgccaattcca-ccgtc	276
EMBOSS_001	524	${\tt atatgggccaaacaacaataatcaggatggcttatgagaacccagatgtc}$	573
EMBOSS_001	277	aaaatccccttccgctgccgctgcaacggcgacgtcggc	315
EMBOSS_001	574	caaatcagattcccatgccg-tgcatgggtaagggtgatgcatccttt	620
EMBOSS_001	316	<pre>cagtcgaccgcctccccatctacgtcgtgcagccg ! </pre>	351
EMBOSS_001	621	cagtccaagagactttgtccagagcttggtgaatcagcttcatgcaaccc	670
EMBOSS_001	352	caggacgggctcgacgcca	370
EMBOSS_001	671	aaggggttgaagctctgttggagaaagagaagacagaacaagatttag	718
EMBOSS_001	371	tcgcgcgcaacgtgttc	387
EMBOSS_001	719	$\verb ctaagaaattcaatggatgtgtaatgataggaagtgtctaattgtgctt \\$	768
EMBOSS_001	388	<pre>aacg-cct-tcgtcacctaccaggagatcgccg . </pre>	418
EMBOSS_001	769	aatgacctatccaccattgaagagtgggaccagattaagaaat-gctt	815
EMBOSS_001	419	ccgcgaacaacatcccaaca	445
EMBOSS_001	816	ccaaaaatgcaggaaaggaagccgaatcatagtgtcaagcactca	860
EMBOSS_001	446	agataaatgtcagccagacg	465
EMBOSS_001	861	agttgaagttgcaagcttatgtgctgggcaagaaagccaagcctcaga-g	909
EMBOSS_001	466	ctgtggattccgctgccctgca-gctgcgacaag	498
EMBOSS_001	910	ctaaagcaattgtctgctgatcagaccctttacgcattctacgacaaggg	959
EMBOSS_001	499	aggctctaacgtgatgca	521
EMBOSS_001	960	ttcccaaattatagaggattcagtgaagccagtgtctatc-tcggatg	1006
EMBOSS_001	522	cctcgcctacagcgtcgg	539
EMBOSS_001	1007	tggccatcacaagtacaaacaatcatacagtggcccatggtgagatta	1054
EMBOSS_001		caaaggggagaacacgtcggcga •	562
EMBOSS_001	1055	tagatgatcaatcaatggatgctgatgagaagaaggtggctagaaagagt	1104
EMBOSS_001	563	tcgctgccaagtacggggtgacggagtccacgcttct	599
EMBOSS_001		cttactcgcattaggacaagtgttggtgcttcggaggaatca	1146
EMBOSS_001		caccagaaataagatcgaccccacgaa	629
EMBOSS_001	1147	caacttattgggcgagagaaagaaatatctgaaataacacactta	1191
EMBOSS_001		attgcagatgggacagattctagatgtcccgctccctgtgt	670
EMBOSS_001		attttaaaca-atgatagccagcaggttcaggtgatctctgtgt	1234
EMBOSS_001		ggttcatcaa	682
EMBOSS_001		ggggaatgggtggccttggaaaaaccaccctagtaagcggtgtttatcaa	1284
EMBOSS_001		tcagcgatacctcag-ctgatcacaa	707
EMBOSS_001		agcccaaggctgagtgataagtttgacaagtatgtttttgtcacaa	1330
EMBOSS_001		tctgatgc-tcctcccggatg-gc	729
EMBOSS_001		tcatgcgtcctttcattcttgtagagctccttaggagtttggctgagc	1378
EMBOSS_001	730	acctatggattc	741

1428	${\tt aactacataaaggatcttctaagaaggaagaactgttagaaaatagagtc}$	EMBOSS_001 1379
769	accgcaggaaact-gcatccgctgcagct	EMBOSS_001 742
1475	agcagtaagaaatcactagcat-cgatggaggataccgagttgactgg	EMBOSS_001 1429
774	gcagt	EMBOSS_001 770
1525	gcagttgaaaaggcttttagaaaagaaaagttgcttgattgttctagatg	EMBOSS_001 1476
794	tcaactacctaccagctaaa	EMBOSS_001 775
1575		EMBOSS_001 1526
818	ctgcactgcagtacagaacaaggg	EMBOSS_001 795
1620	. . . ctgttggaaaagacaagccgaataattgtgactacaagaa-aagag	EMBOSS_001 1576
849	atgcccgtcagtgccactgtgcaatggaacg	EMBOSS_001 819
1666	aatattgccaaccattgc-tcagggaaaaatggaaatgtgcacaacc	EMBOSS_001 1621
863	ctgaagcttg-gtga	EMBOSS_001 850
1716		EMBOSS_001 1667
905	gacgaacggc-accggttgcggatcaacaacgtgcgcctacag	EMBOSS_001 864
1756		EMBOSS_001 1717
944	tggttactccaacagttcatcgctcatc-atacaaaccag	EMBOSS_001 906
1791		EMBOSS_001 1757
957	cttgcaaaat	
1841		EMBOSS_001 1792
982	cagacaacagcctgccagagaggag	
1889		EMBOSS_001 1842
1002	gatctgggaggtcgcagttc	CMBOSS_001 983
1939		MBOSS_001 1890
1033	gctaggtccatgtggag-catgtctgttatct	
1989	IIII III IIII.I.II	
1064	ccttccacatggtgttgatcatta-totgttt	
	1	_



General Help Formats Gaps Matrix References

EMBOSS-Align Help

All Databases

Enter Text Here

Stainche & 4

EBI Groups Training

Industry

About Us Help

EMBOSS Align Results

Water Results

Matrix Open gap penalty **DNAfull** 10.0 0.5

Gap extension penalty Water output

water-20090211-19552600313170.output

SUBMIT ANOTHER JOB

```
# Program: water
# Rundate: Wed Feb 11 19:55:28 2009
# Align_format: srspair
# Report_file: /ebi/extserv/old-work/water-20090211-19552600313170.output
# Aligned_sequences: 2
# 1: EMBOSS_001
# 2: EMBOSS_001
# Matrix: EDNAFULL
# Gap_penalty: 10.0
# Extend_penalty: 0.5
# Length: 1972
# Identity:
             710/1972 (36.0%)
# Similarity: 710/1972 (36.0%)
# Gaps:
             1059/1972 (53.7%)
 Score: 935.5
EMBOSS_001
                5 cgtcgct-caccg------ccgccctggccacgcc
                                                                 32
                  111...11 11111
                                               TELLIBLE
EMBOSS_001
              453 cgtgactccaccgtacgcttgagatcttggtactccgccctgg-----
                                                                495
EMBOSS_001
               33 ggeggecgetgeeeteet---eete--etegteeteetegeegeeeeege
                                                                 77
EMBOSS_001
              496 -----tgcgctcatcagcctcaactcgt-ttcttctcattcccttc
                                                                535
               78 ctc----gccg------ccaacttc-----acctg--cgcgg
EMBOSS_001
                                                                103
EMBOSS_001
              536 cacaagttgcagaaggaggtccaacttcttatcagtctccatggcctcgg
                                                                585
EMBOSS_001
              104 ---tggcttcaggcaccacctgc----
                                              -aagtccgccatcctcta
                    111 . 11111. 111. . [11]
                                              11.11111.1.111
EMBOSS_001
              586 atctgg-atcaggtacctactgctctcgctccgaattccgcgaacct---
                                                                631
EMBOSS 001
              141 \ \texttt{cacctccccaacgccaccaccta--cggcaa----cctcgtcgc----c}
                                                                180
                                    H .HH HI.HH
              632 ------tagggggcaagtttccttttcgcggtgc
EMBOSS_001
                                                                659
              181 cgct------tcaacacca--ccaccc------tcccc-----
EMBOSS_001
                                                                204
EMBOSS_001
              660 cgatccgaagatcagctccaatccaccccaaggaacaatttcaccgcaga
                                                                709
EMBOSS 001
              205 ------
                                                                206
EMBOSS_001
              710\ atcaagagaatttgagaagcaagagggctctgataccagattgtcagga
                                                                759
EMBOSS_001
              207 cctc----ctcggc------gccaac
                                                                222
                  .111.
```

EMBOSS_001	760	tctcaagaaatcagcaaagaacaacaagaacacacaaggattcaggcaac	809
EMBOSS_001	223	ggcctcccgacggcacgctttcctccgcc	252
EMBOSS_001 8	10	tagtttggattgatctgctccaacccaacaggattgagccttccgccgcc	859
EMBOSS_001 2	53	cccgtcgccgccaattc	269
EMBOSS_001 8	60	accgccaccgagttgccagttcatagttgtctttctcgagttcatcttat	909
EMBOSS_001 2	70	caccgtcaaaatccccttccgctgcc-gctg	299
EMBOSS_001 9	10	ttatacagt-agtatctccctactcacacgacacacacagtagccagctg	958
EMBOSS_001 3	00	caacggcgacgtcggccagtcggacc	325
EMBOSS_001 9	59	tacaacagatagctgggctacgcaacccactcggacccatggtaacgagg	1008
EMBOSS_001 3	26	gcctag - - - - -	348
EMBOSS_001 10	09	attgggctttggccctcttgtggggtcttgctcttcctggagtagtagtct	1058
EMBOSS_001 3	49	gc-aggacgggctcgacgccatcgcg	375
EMBOSS_001 10	59	gtatctcctcctcctggacttcagcttctgcttcatcaggtt	1100
EMBOSS_001 3	76		388
EMBOSS_001 11	01	ctccttcttcaggttccttctctccctgttcagcttctgcttcatcaggt	1150
EMBOSS_001 3	89	acgccttcgtca	403
EMBOSS_001 11	51	tctccttcttcagtacccatagtgacaggcaggttcctgacaaaattctg	1200
EMBOSS_001 4	04	accaggag	411
EMBOSS_001 12	01	ctcgtttgcgaccaatggtagtgatcatagttgcaaccaggaggggggg	1250
EMBOSS_001 4	12	atcgccgcgcgaacaacatccccgaccccaacaag	447
EMBOSS_001 12	51	ggggaaatcgccgtccctccgctcctc-tcccgtcgtccccaacg	1295
EMBOSS_001 4	48	ataaatgtcagc-cagacgctgtg	470
EMBOSS_001 12	96	cctcgttcgcgcatttcgttgaacaccatgacggcgccgaattcgcagtg	1345
EMBOSS_001 4	71	gattccgctgccctg-cagctgcgacaa	497
EMBOSS_001 13	46	tccgcacatctcctcctccccgtcctctccaaaccccaaaccctat	1392
EMBOSS_001 4	98	ggaggaaggctctaacgtgatgcacctcg .!!!!. . .!;	526
EMBOSS_001 13	93	ctccaccccgaggcaggcgcccccatgcacttgtaagtcgattgga	1439
EMBOSS_001 5	27	cctacagcgtcggcaaagggga	548
EMBOSS_001 14	40	tgtcctgtcccagaagacatatcgagcgaggaggcggaggggggacgaa	1487
EMBOSS_001 5	49	gaacacgtcgggatcgctgc	569
EMBOSS_001 14	88	gggaacatatcgagcgaggaagcggagggtggatcggcatccccatt	1535
EMBOSS_001 5	70	-caagtacggggtgacggagtccacgcttct- 	599
EMBOSS_001 15	36	tcaaggtactatactagtccattatagtagtagtgcttttg	1576
EMBOSS_001 6	00	caccagaaataagatcgacgaccccacgaaattgcagatg	639
EMBOSS_001 15	77	catcttagaaaaaaaaatatgttcattag	1605
EMBOSS_001 6	40	ggacagattctagatgtcccgctccctgtg . .	669
EMBOSS_001 16	06	ccattgagagcttctgaagttgttgattttgttccaaccccaactgtgag	1655
EMBOSS_001 6	70	-tgccgttcatcaatcagcgatacctcagctgatcacaa	707

EMBOSS_001	1656	tttcagttcaggtcatccactgattttcactatgccaa	1693
EMBOSS_001	708	tetgatgeteetceeggatggeaectatggatteaeegeagga	750
EMBOSS_001	1694	ttctctgaaacaactttaccactgtcacatgaacacactga	1734
EMBOSS_001	751	aactgcatccgctgcagctgca	772
EMBOSS_001	1735	. aacagtttggtgtagacg-tgtagtgaagaatgtagcatatataccttca	1783
EMBOSS_001	773	gttcaactacctaccagctaaactgcactgc	805
EMBOSS_001	1784 cttaatttttttttgcaattattggccattactagttatgcgagg	1827
EMBOSS_001	806	tacagaacaagggatgcccgtcagtgccact	836
EMBOSS_001	1828 tagaagtgttctaaggtactgtatcatttttatgtactaattaat	1872
EMBOSS_001	837	gtgcaatggaacgcag	855
EMBOSS_001	1873	. taagtttaat-aaaaacttttattatctaaaaataaatgactattactag	1921
EMBOSS_001	856	cttggtgagacg	867
EMBOSS_001	1922	. ctcggtactccctttattttatattataagacgttttgattttttatat	1971
EMBOSS_001	868	ggatcaacaacgtgcgc	899
EMBOSS_001	1972		2012
EMBOSS_001	900	ctacagtggttactccaacagttcatcgct	929
EMBOSS_001	2013	. . . aaacatatatattttttttacattaatagtgcaagtgagcacgcttaaat	2062
EMBOSS_001	930	-catcatacaaaccagccttgcaactaatca-	959
EMBOSS_001	2063		2111
EMBOSS_001	960	-gacaaggag	982
EMBOSS_001	2112	. . . ggataaatgcatctaaattcatcct-caataattgattctttttggag	2160
EMBOSS_001	983	gatctgggaggtcgcagttcgctaggtccatgtggagc	1020
EMBOSS_001	2161 gagtacaattggttggtgcgctttgtccttggaccctacaat	2202
EMBOSS_001	1021	atgtctgttatctccttccacatgg	1045
EMBOSS_001	2203	. .	2252
EMBOSS_001	1046	tgttgatcattatctgtttcct 1067	
EMBOSS_001	2253	. tgtttatcccttcctgaatcct 2274	
#	. -	·	



Help General Help

Formats Gaps Matrix

References EMBOSS-Align Help All Databases

Enter Text Here



EBI Groups Training

Industry

About Us Help

EMBOSS Align Results

Water Results

Matrix

DNAfull 10.0

Open gap penalty Gap extension penalty

0.5

Water output

water-20090211-19575081865795.output

SUBMIT ANOTHER JOB

```
# Program: water
# Rundate: Wed Feb 11 19:57:51 2009
# Align_format: srspair
# Report_file: /ebi/extserv/old-work/water-20090211-19575081865795.output
#----
# Aligned sequences: 2
# 1: EMBOSS_001
# 2: EMBOSS_001
# Matrix: EDNAFULL
# Gap_penalty: 10.0
# Extend_penalty: 0.5
# Length: 1466
            606/1466 (41.3%)
# Identity:
# Similarity:
             606/1466 (41.3%)
# Gaps:
             701/1466 (47.8%)
# Score: 922.5
EMBOSS_001
               {\tt 3} \verb| caacttcacctgcgcggtggcttcaggcaccacct-----gcaagtcc|\\
                                                             45
                 THE THE TALL THE
             118 caagat-aacagcaaggtgg--tcaag----acttgggtgaagcaagtcc
EMBOSS_001
                                                             160
EMBOSS_001
              46 gccatcctctacacctccccaacgccaccacct----acggcaa
                                                             86
                                  . [ . [ ] ] . . . [ ] [
             161 g-----tgacactgcctatgatgttgaggacag
EMBOSS_001
                                                             188
EMBOSS_001
              87 cctc----gtcgc----ccgcttcaaca--ccaccacctcc----c
                                                            119
EMBOSS_001
             189 cctccaggatttcgctgttcatctt-aagaggcca-----tcctggtgg
                                                             231
EMBOSS_001
             120 cgacctcctcggcgccaacggcctccccga-cggcac--
                                                            155
             EMBOSS_001
                                                            274
EMBOSS_001
             156 -----tcctcc-----
                        1411
EMBOSS_001
             275 agatgaaggagcttaggaacaaggtcgaggatgtcagccagaggaatgtg
                                                            324
EMBOSS_001
             166 ----gccccc-----gtcgccgccaattccaccgtcaaaatcccctt
                                                            203
                   .11.11
                           EMBOSS_001
             \tt 325 \ cggtaccacctcatcaagggctctgccaaggccaccatcaa{\color{red}{----}}{tt}
                                                            367
             EMBOSS_001
                                                            241
EMBOSS_001
             368 ccactg---agcaatctagcgttattgcta---cagccatattcgg---
                                                            407
EMBOSS_001
             242 gcctccccatctac-----gtcgtgcagc--cgcaggacgggctcgac
                                                            282
```

HILL HARMAN HARM

EMBOSS_001	408cattgacgatgcaaggcgtgccgcaaagcagga
EMBOSS_001	283 gccatcgcgcgcaacgtgttcaacgccttcgtcacctacca
EMBOSS_001	441 -caatcagagagtggatcttgtccaactaatcaacagtgaggatca
EMBOSS_001	324 ggagatcgccgccgcgaacaacatccccgacc
EMBOSS_001	- -
EMBOSS_001	356 ccaacaa-gataaatgtcagccagacgctgt 3
EMBOSS_001	.
EMBOSS_001	386 -ggattccgctgccctgcagctgcgacaaggagg-aaggctctaacgtga 4
EMBOSS_001	.
EMBOSS_001	434 tgca-cctcgcctacagcgtcggcaaaggggagaacacgtcg 4
EMBOSS_001	
EMBOSS_001	475 gcg-atc-gctgccaagtacggggtgacggagtccacgcttc 5
EMBOSS_001	
EMBOSS_001	515 tcaccagaaataagatcgaccccacgaaattg 5
EMBOSS_001	
EMBOSS_001	550 cagatgggacagattctagatgtcccgctccctgtg 5
EMBOSS_001	
EMBOSS_001	586 tgccgttcatcaatcagcgatacctcagctgat-cacaatctgatgctcc 6
EMBOSS_001	
EMBOSS_001	635 tcccgga-tggcacctatggattcaccgcaggaaa 6
EMBOSS_001 789agagtgggaccagattaagaaatgcttccaaaaatgcaggaaagga 8
EMBOSS_001	669ctgcatc cgctgcagctgcagtt 6
EMBOSS_001 835 agccgaatcatagtgtcaagcactcaagttgaagttgcaagcttatgtgc 8
EMBOSS_001	692caactacctaccagctaaactgcactgcagtaca 7
EMBOSS_001	 885 tgggcaagaaagccaagcctcagagctaaagcaattgtctgctgatca 9
EMBOSS_001	726 gagtca 7
EMBOSS_001	
EMBOSS_001	745 gtgccactgtgcaatggaacgctgaag 7
EMBOSS_001	
EMBOSS_001	772cttggtgagacgaacggcaccggttgc 7
EMBOSS_001	
EMBOSS_001	799 ggatcaacaacgtgcgcctacagtggttactccaa 8
EMBOSS_001	
EMBOSS_001	834 cagttcatcgct 8
EMBOSS_001	! ! . 1124 gtgttggt-gcttcggaggaatcacaacttattgggcgagag 11
EMBOSS_001	867aactaatcagacaacagcctgc 8
EMBOSS_001	11.111 11.11
_	
EMBOSS_001	889 cagagaggaggatctgggaggtcgc 9

EMBOSS_001	1214	aggttcaggtgatctctgtgtggggaatgggtggccttggaaaaa	1258
EMBOSS_001	914	agttcgctaggtccatg	930
EMBOSS_001	1259	ccaccctagtaagcggtgtttatcaaagcccaaggctgagtgataagt	1306
EMBOSS_001	931	tggagcatgtctgttatctccttccacatggtgttg	966
EMBOSS_001	1307	ttga-caagtatgtttttgtcacaatcatgcgtcctttca-ttcttgtag	1354
EMBOSS_001	967	atcattatctgttt 980	
EMBOSS_001	1355	agctccttaggagttt 1370	

#-----



Databases

Help General Help Formats Gaps Matrix References

EMBOSS-Align Help

All Databases

Enter Text Here

Stalacks A 4

EBI Groups

Training

Industry

About Us Help

EMBOSS Align Results

Water Results

Matrix

Blosum62

Open gap penalty

Water output

10.0

Gap extension penalty

0.5

water-20090211-19593453477019.output

SUBMIT ANOTHER JOB

```
# Program: water
# Rundate: Wed Feb 11 19:59:36 2009
# Align_format: srspair
# Report_file: /ebi/extserv/old-work/water-20090211-19593453477019.output
# Aligned_sequences: 2
# 1: EMBOSS_001
# 2: EMBOSS_001
# Matrix: EBLOSUM62
# Gap_penalty: 10.0
# Extend_penalty: 0.5
# Length: 1521
# Identity:
             628/1521 (41.3%)
# Similarity:
             628/1521 (41.3%)
             566/1521 (37.2%)
# Gaps:
# Score: 2769.0
EMBOSS_001
                1 gcc----gggtg----g
                                                                22
                           {\tt 200 gccgtttatctgctggtgctcctcttgctgtagtagtgttgttggtgttg}
EMBOSS 001
                                                               249
               23 cttcaggc-acc------acctg-----caagtccgccatcct-
EMBOSS_001
                                                                53
EMBOSS_001
              {\tt 250} \ {\tt ctgctgatgacctaaaatgcttgcatgtttctatcatgttctccataatg}
                                                               299
EMBOSS_001
               54 -----ctacacctccc-----ccaacgccaccac
                                                                77
                            11.11.11.11
                                                 111.....
EMBOSS_001
              300 tagtatcatgtactccatcttccttgttggtttttgtccataatctccac
                                                               349
EMBOSS_001
               78 ctacggcaac------tcg---tcgcccgc-----ttc
                                                               102
                                   1111 1.1.11.1
                 11. [[]].
EMBOSS 001
              350 ctt-ggcagcttgcatcatcttactctcgagcttgtccaccttgagattc
                                                               398
              103 aacacc----ac----caccc-----tcc-ccgac--ctcctcggc--g
EMBOSS_001
                                                               133
EMBOSS_001
              399 aacteetggaacgeggeteecagtteatceaccetetteteeacggeagg
                                                               448
              134 ccaacg-gcctcc-ccgacggcacg----ctt--tcctccgcccccgt-c ....|| | .!||| | !!|| ...|| | |
EMBOSS 001
EMBOSS_001
              449 aatccgtgactccaccgtacgcttgagatcttggtactccgccctggtgc
                                                               498
EMBOSS_001
              175 g----ccgccaattccac-cgtcaaaatccccttccgctgccgctgcaa
                                                               218
              EMBOSS_001
                                                               539
EMBOSS_001
              219 cggcgacgtcggccagtcggaccgcctccccatct-acgtcgtgcagccg
                                                               267
                 didalah ini manana dalah ini
```

EMBOSS_001	540	agttgcagaaggaggtccaacttcttatcagtctccatggcct	582
EMBOSS_001	268	caggacgggctcgacgccatcgcgcgcaacgtgttcaacg	307
EMBOSS_001	583	cggatctggatcaggtacctactgctctcgctccgaattccgcgaacctt	632
EMBOSS_001	308	ccttcgtcacctaccaggagatcgc	332
EMBOSS_001	633	. . . agggggcaagtttccttttcgcggtgccgatccgaagatcagctccaatc	682
EMBOSS_001	333	cgccgcgaacaacatccccgaccccaacaagataaatgtca	373
EMBOSS_001	683	caccccaaggaacaatttcaccg-cagaatcaagagaatttgagaagcaa	731
EMBOSS_001	374	gccagacgctgtggattccgctgccc	399
EMBOSS_001	732	gagaggctctgataccagattgtcaggatctcaagaaatcagcaaagaac	781
EMBOSS_001	400	tgcagctgcg-acaaggaggaaggc-tctaacgtgatgcacctcgcct	445
EMBOSS_001	782	aacaagaacacaaaggattcaggcaactagtttggattgatctgctcca	831
EMBOSS_001	446	acagcgtcggcaaaggggagacacgtcggcgatcgctgccaagtacggg	495
EMBOSS_001	832	acccaacaggattgagc-cttccgccgccaccgccaccgag	871
EMBOSS_001	496	gtgacggagtccacgcttctcaccagaaat	525
EMBOSS_001	872	ttgccagttcatagttgtctttctcgagttcatcttatttat	921
EMBOSS_001	526	aagatcg-acgacccacgaaattg-cagatgggacagatt- . . .	564
EMBOSS_001	922	atctccctactcacacga-cacacagtagccagctgtacaacagatag	970
EMBOSS_001	565	ctagatgtcccgctccctgtgtgccgttcat	595
EMBOSS_001	971		1020
EMBOSS_001	596	caatc-agcgatacctcag-ctgatcacaatctgatgctcct	635
EMBOSS_001	1021		1070
EMBOSS_001	636	cccggatggca-cctatggattcaccgcaggaaactgc	672
EMBOSS_001	1071		120
EMBOSS_001	673	atccgctgcagctgcagttcaactacc . .	699
EMBOSS_001	1121		170
EMBOSS_001	700	taccag-ctaaactgcactgcagta	723
EMBOSS_001	1171		.220
EMBOSS_001	724	cagaacacccgtc	743
EMBOSS_001	1221		.270
EMBOSS_001	744	agtgccactgtgcaatggaacgctgaagcttggtgagacg	783
EMBOSS_001	1271		320
EMBOSS_001	784	aacggcaccggttgcggatcaacaacgtgcgcctacagtgg	824
EMBOSS_001	1321		369
EMBOSS_001	825	ttactccaacagttcatcgctcatcatacaaaccagcctt	864
EMBOSS_001	1370		419
EMBOSS_001	865	gcaactaatcagacaacagcctgccagaga 	894
EMBOSS_001			468
EMBOSS_001		ggaggtgggag ! . .	908

EMBOSS_001 1	469	ggaggcggagggggacgaagggaacatatcgagcgaggaagcggagggtg 1518	
EMBOSS_001	909	g-tcggctagtccatgtgg 933	
EMBOSS_001 1	519	gatcggcatcccccatttcaaggtactatactagtccattatagtagtag 1568	
EMBOSS_001	934	agc 948	
EMBOSS_001 1	569	tgcttttgcatcttagaaaaaaaatatgttcattagccattgagagctt 1618	
EMBOSS_001	949	gat 968	
EMBOSS_001 1	619	ctgaagttgttgattttgttccaaccccaactgtgagtttcagttcaggt 1668	
EMBOSS_001	969	cattatctgtttc-ctttg 986	
EMBOSS_001 1	669	catccactgattttcactatg 1689	